

# Emcephob HC

Ready-to-use deep hydrophobizing creme



## PRODUCT PROPERTIES

- Water-based hydrophobizing creme based on silane
- Non film-forming
- Reduces the water absorption
- Increases the resistance against frost and de-icing salts
- Application by roller or airless spraying
- Suitable for use in spray- and splash zones of de-icing salts
- Penetration depth according to EN 1504 part 2, class II
- Can be overcoated with MC-Color Proof pure, MC-Color Proof pro, MC-Color Proof vision, MC-Color Flair pure, MC-Color Flair pro and MC-Color Flair vision
- Tested and approved as OS 1 and OS 2 surface protection system
- Drip-free viscosity

## AREAS OF APPLICATION

- Hydrophobic agent for alkaline, cement-bound surfaces, e.g. concrete, render, lime sand brick
- Hydrophobic agent for concrete repair mortars
- Hydrophobic agent for clinker masonry and brickwork
- In combination with paint coating materials suitable as preventive concrete protection
- REACH-assessed exposure scenarios: periodical water-contact, periodical inhalation, application
- Certified according to EN 1504 part 2 for principles 1, 2 and 8; procedures 1.1, 2.1 and 8.1

## APPLICATION ADVICE

**Substrate Preparation:** The substrate must be clean and free from all loose particles, dust, oil and any other contaminants. The substrate must be absorptive to allow the hydrophobizing creme to penetrate. Saturated or wet surfaces should not be hydrophobized, as otherwise Emcephob HC cannot penetrate into the substrate.

**Application:** Emcephob HC is a hydrophobic cream applied undiluted in one work step using a roller, a brush or by airless spraying. If a second layer should be required for certain circumstances, it must be applied fresh-in-fresh. Green concrete should be at least 4 - 6 weeks old before Emcephob HC is applied.

**General information:** Emcephob HC may not be applied onto steel, galvanized surfaces, polymers, non-ferrous metal and bituminous surfaces. Suitable protective measures are to be provided. As the effectiveness as stand-alone measure (OS 1) is temporary, hydrophobizing should be renewed in regular intervals.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm <sup>3</sup>	0.9	
Active ingredient content	mass %	80	
Application conditions	°C	≥ 8 ≤ 25	air, substrate and material temperatures
	%	≤ 85	rel. humidity
	K	3	above dew point
Consumption 1)	g/m <sup>2</sup>	200 - 400	depending on condition of substrate
Penetration depth	mm	≥ 10	grade II per EN 1504-2
Rain resistant after	hours	approx. 24	at 20°C
Flash point	°C	64	ISO 3679
Waiting times	hours	12 - 96	

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

1) The consumption values depend on the impermeability, absorbency and type of substrate. To determine the object-specific consumption quantities, it is advisable to create test areas. When used as an OS-1 system, use at least 400 g/m<sup>2</sup>.

delivery form	10 kg tub, 25 kg hobbock
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs. Protect from frost.
packaging disposal	Make sure single-use containers are completely empty. Ensure compliance with our information leaflet "Return of Emptied Transportation and Sale Packaging". We will be glad to send you this on request.

**Note:** The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2100004128]